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**From:** Brown, Amy [Amy.Brown@fdacs.gov]  
**Sent:** 5/19/2022 7:11:15 PM  
**To:** Sec-18-Mailbox [Sec-18-Mailbox@epa.gov]; Bohnenblust, Eric [Bohnenblust.Eric@epa.gov]  
**CC:** Groce, Stacey [Groce.Stacey@epa.gov]; Mike Aerts [mike.aerts@ffva.com]; Kelly Friend [Kelly.Friend@freshfromflorida.com]; Frazier, Courtney [courtney.frazier@fdacs.gov]; Singh, Rashmi [rashmi.singh@fdacs.gov]; Cooper, James [James.Cooper@fdacs.gov]; Ritchie, Laura [Laura.Ritchie1@fdacs.gov]; Idiepenbrock@ufl.edu  
**Subject:** Additional information in support of Florida's Section 18 - Belay Insecticide  
**Attachments:** Belay 2022 Additonal Information Request Letter.pdf

Good Afternoon Eric,

Please see attached letter in support of our December 3, 2021 Section 18 request for Belay Insecticide (EPA Reg. No. 59639-150) which includes support from Dr. Lauren Diepenbrock. Dr. Diepenbrock also provided the following literature links that may be helpful as well. They support her conclusions in her letter. The other actives of interest flupyradifurone and cyantraniliprole may reduce feeding, but there is nothing regarding feeding inhibition. Additionally, she supplied information regarding resistance concerns.

Sivanto/flupyradifurone

- Feeding reduction in a dose-dependent manner: [Chen et al 2017](#)

Cyazypyr/cyantraniliprole influence on feeding

- Reduces feeding and may reduce likelihood of Clas transmission (though not experimentally shown re: Clas transmission): [Tiwari and Stelinski 2012](#)
- Reduction in inoculation of Clas by cyantraniliprole: [Ammar et al. 2015](#)

Resistance concerns within neonics

- Cross resistance: [Chen et al 2020](#)

If you need any additional information, please do not hesitate to reach out.

Thanks again,  
Amy

**Amy N. Brown, CPM**

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